

FIG. 2

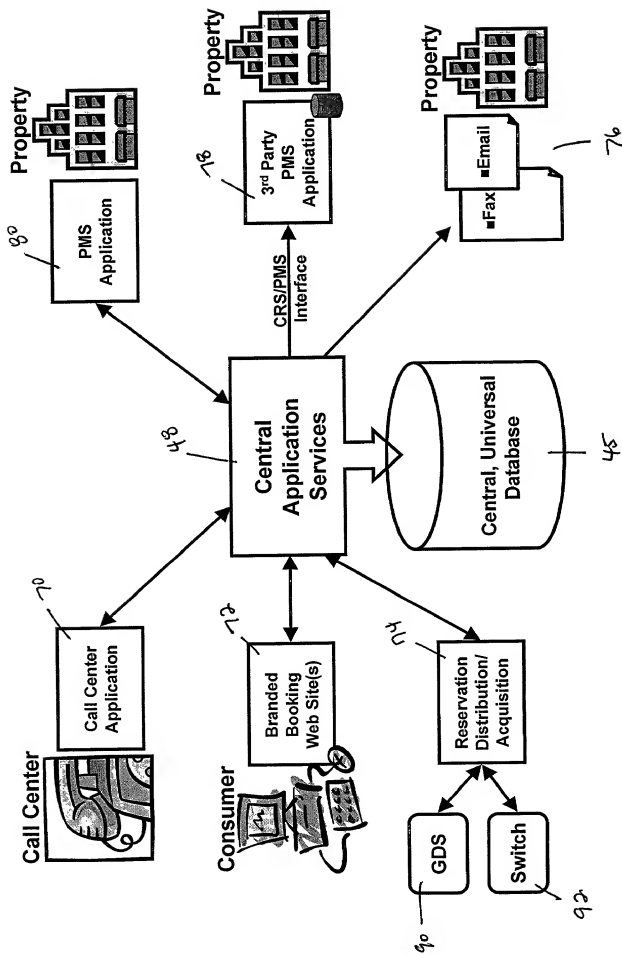


FIG. 3

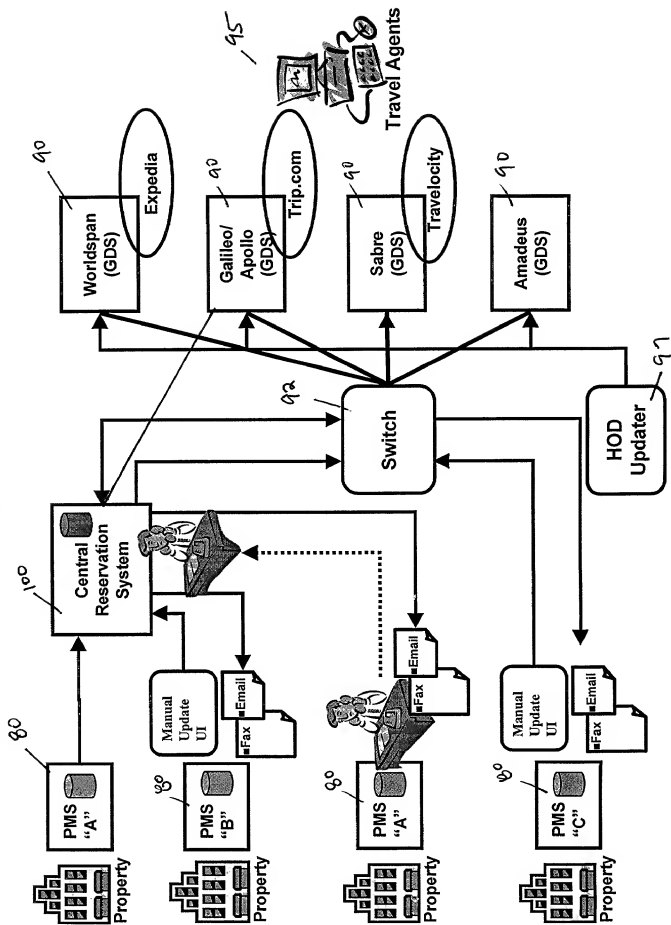


FIG. 4

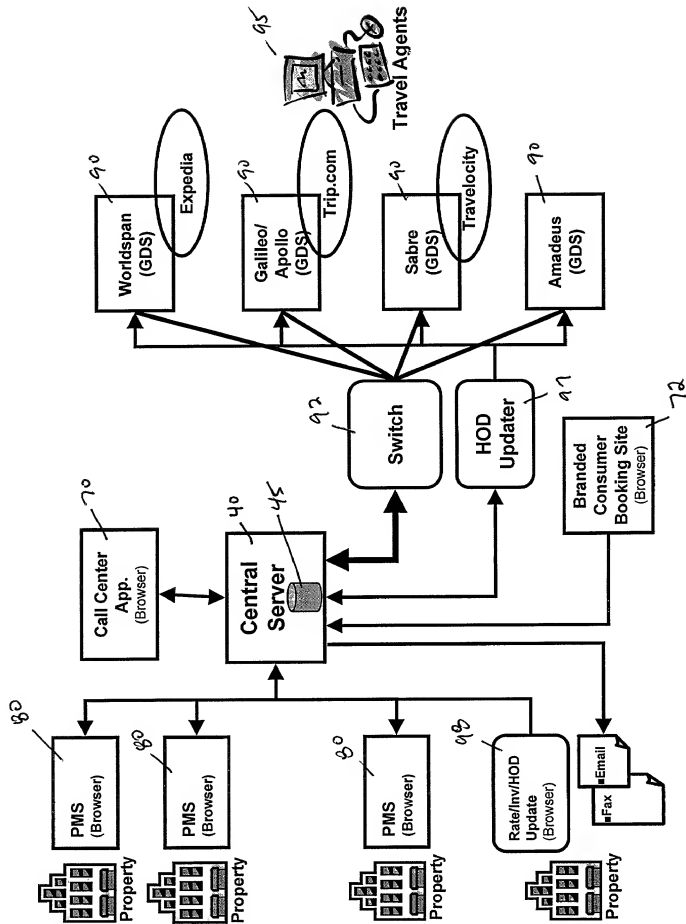


FIG. 5

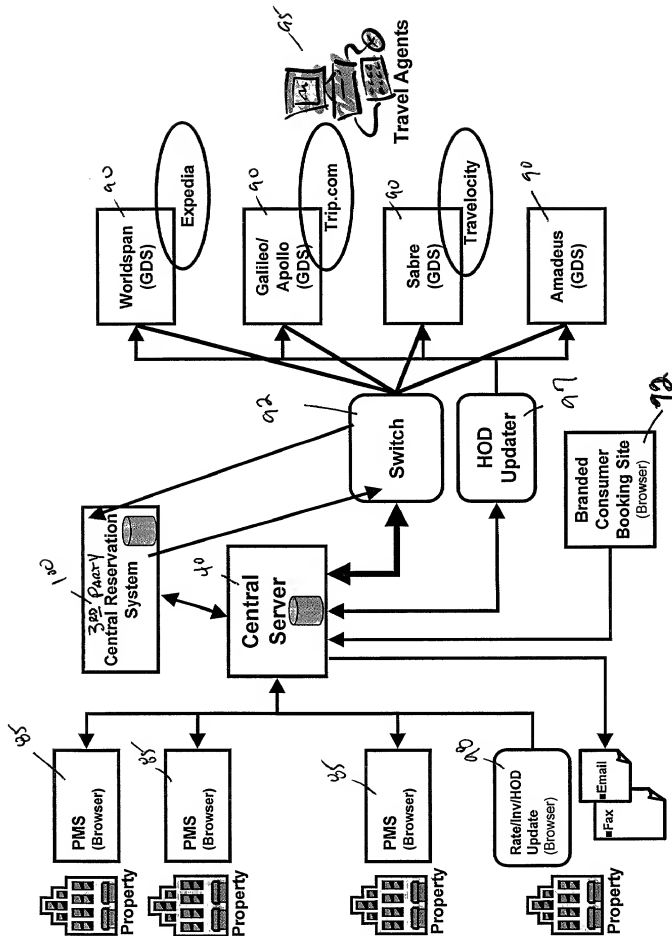
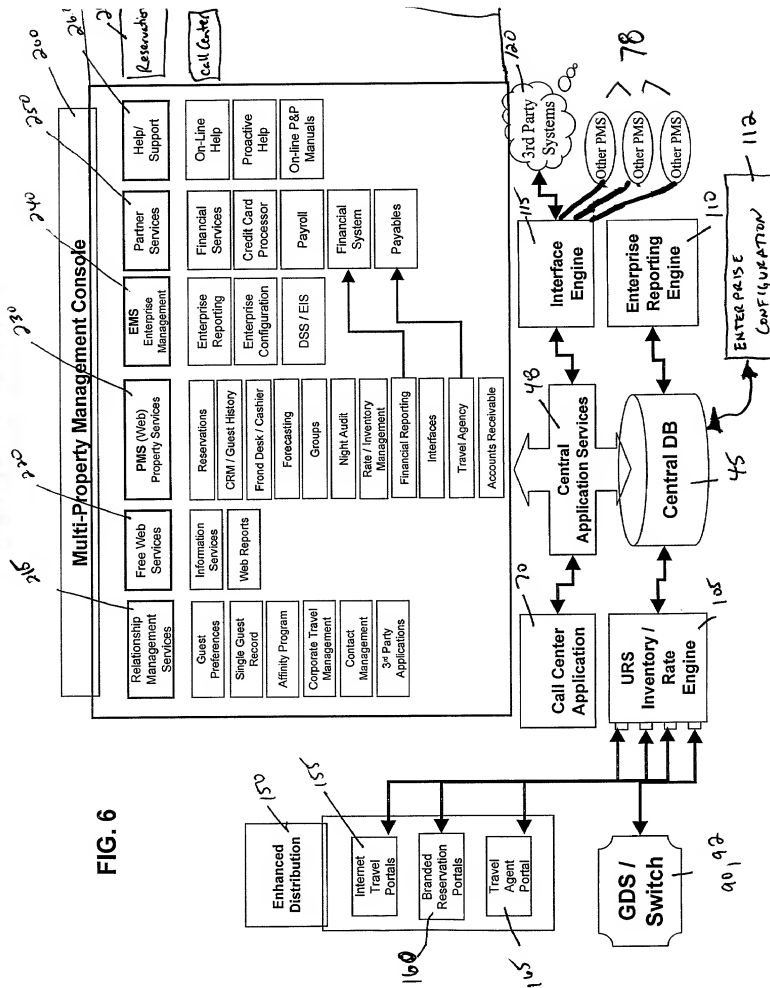
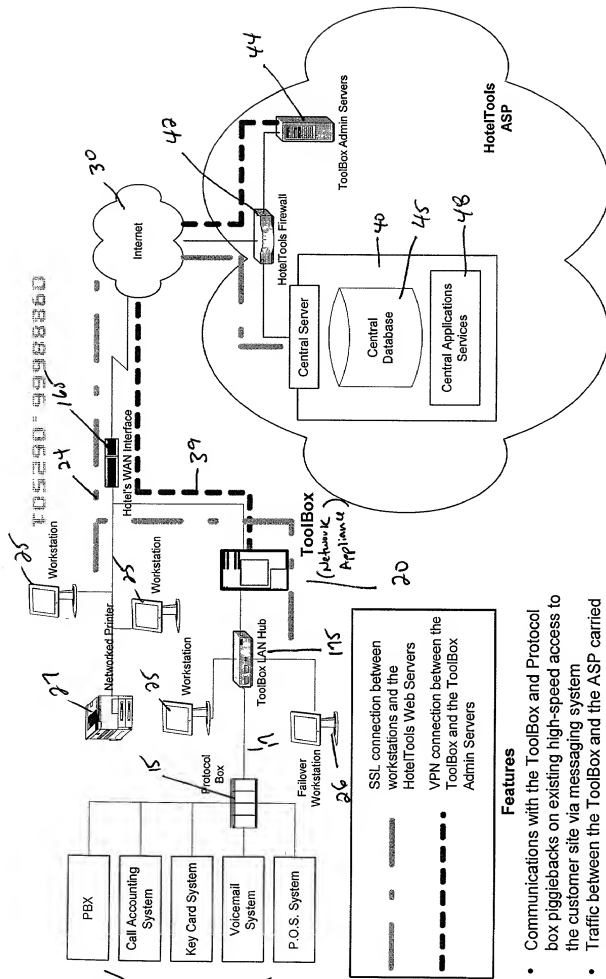


FIG. 6





Features

- Communications with the ToolBox and Protocol box piggybacks on existing high-speed access to the customer site via messaging system
- Traffic between the ToolBox and the ASP carried in encrypted VPN
- We have no control over primary communications link with the ToolBox
- The public Ethernet interface on the ToolBox accepts either a static or dynamic IP address (DHCP, PPPoE, etc.)

ToolBox Admin Servers

- Track the status of all deployed ToolBoxes
- Provide the mechanism for updating remote ToolBox Configurations
- Link the information coming from the ToolBoxes into the Central Applications Services

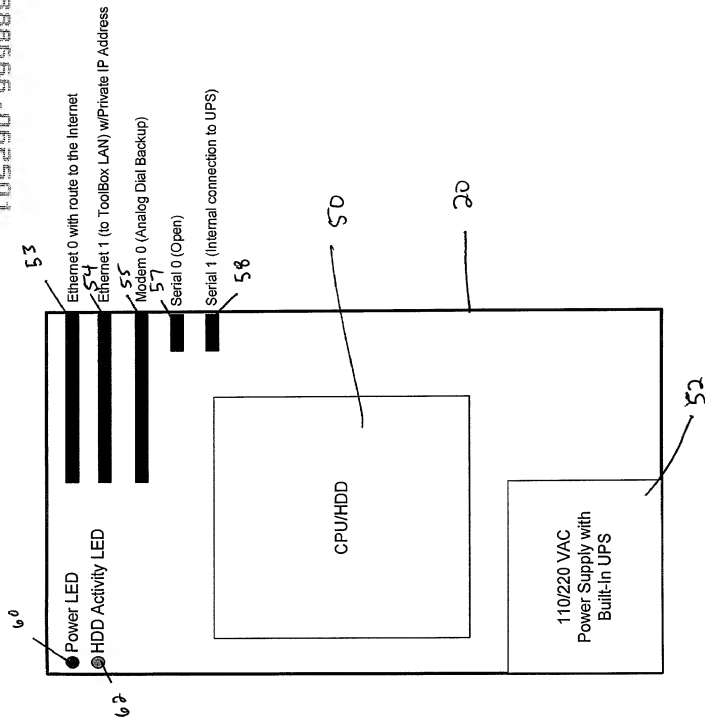
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2.0	Kent Churchill

DESCRIPTION

FIG. 7

ToolBox LAN & WAN playback off of Customer's LAN & WAN





Hardware Features

- Box has CPU fan(s) - provisions for heat sinks
- Box is wall, rack, or floor mounted
- Box uses Intel instruction set compatible CPU
- Box has secured keyboard, mouse, VGA ports
- UPS is wired into kernal for graceful shutdown after 10 minutes of no power
- External LEDs clearly labeled
- Box clearly labeled with site information, box serial number, and 800 customer support number

Server Functionality

- NAT between workstations and Internet
- Routing between workstations and Internet
- VPN between site and ASP
- DHCP Server for workstations
- Housekeeping applications
- Syslog Server for site
- NFS Server for workstations
- Print Server for site

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FIG. 8

DESCRIPTION

This is the current production ToolBox configuration.

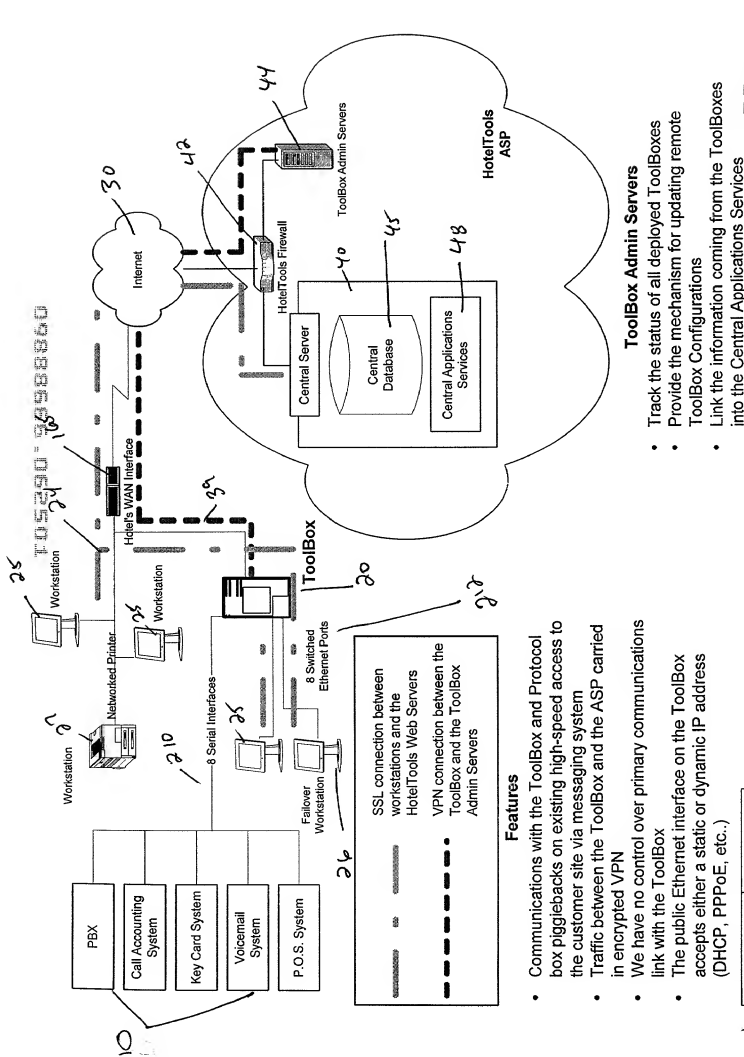
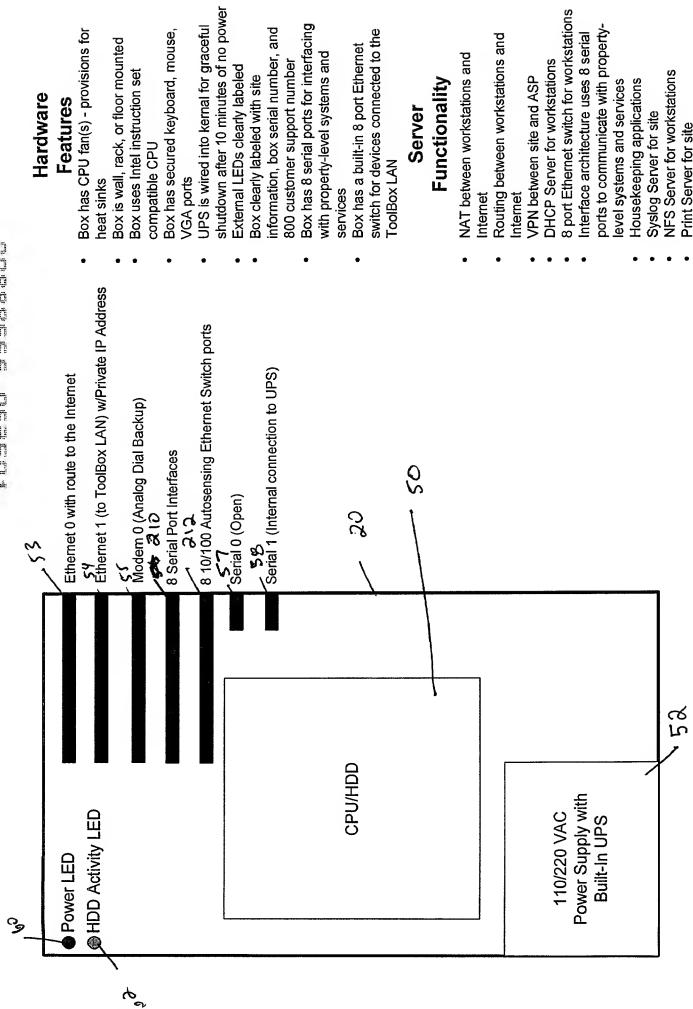


FIG. 9

ToolBox LAN & WAN playback off of Customer's LAN & WAN

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Hardware

Features

- Box has CPU fan(s) - provisions for heat sinks
- Box is wall, rack, or floor mounted
- Box uses Intel instruction set compatible CPU
- Box has secured keyboard, mouse, VGA ports
- UPS is wired into kernal for graceful shutdown after 10 minutes of no power
- External LEDs clearly labeled
- Box clearly labeled with site information, box serial number, and 800 customer support number
- Box has 8 serial ports for interfacing with property-level systems and services
- Box has a built-in 8 port Ethernet switch for devices connected to the ToolBox LAN

Server

Functionality

- NAT between workstations and Internet
- Routing between workstations and Internet
- VPN between site and ASP
- DHCP Server for workstations
- 8 port Ethernet switch for workstations
- Interface architecture uses 8 serial ports to communicate with property-level systems and services
- Housekeeping applications
- Syslog Server for site
- NFS Server for workstations
- Print Server for site

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TITLE

DESCRIPTION

FIG. 10

This is the next generation ToolBox configuration now in prototype